

Product datasheet for **RN211306**

Copb1 (NM_080781) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Copb1 (NM_080781) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Copb1
Synonyms:	Rack2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN211306 representing NM_080781
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCGCAGCTGAGAACGTGTGCTATACGTTAATTAACGTGCCAATGGACTCAGAACCCCTTCTGAAA
 TCAGCTTAAAAAATGACCTGGAGAAAGCGATGTGAAGTCAAAGACTGAAGCTTTGAAGAAAGTGATCAT
 TATGATTCTGAATGGGAAAAGCTTCTGGACTCCTGATGACGATCATTGTTTTGCTGCTGCCTCTTCAG
 GATCACACCATCAAAAAGTTGCTTCTGGTCTTCTGGGAAATTGTTCCGAAAACAACTCCAGATGGGAGGC
 TCTTACATGAAATGATTCTGTGTGTGATGCATACAGAAAGGATCTCCAGCATCCTAATGAGTTTATTTCG
 TGGATCTACTCTTCTGTTTCTTTGCAAATTGAAGGAAGCAGAATTGCTGGAACTCTGATGCCTGCTATC
 CGTGCTTGTGGAACATCGTCACAGCTATGTTAGGAGAAACGCTGTTTTGGCCATCTACACCATCTACA
 GAAATTTTAAAACTTATACCTGATGCTCCTGAGCTGATACATGATTTTCTGGTAAACGAGAAGGATGC
 AAGCTGCAAAAGAAATGCATTTATGATGCTCATTGATGACGATCAGGATCGAGCTTTGGATTATTTAAGT
 ACATGTATTGATCAAGTTCAGACATTTGGAGACATTCTACAGTTGGTTATTGTTGAACTAATTTATAAGG
 TCTGTCATGCTAATCCATCAGAGAGGGCCGTTTCATTGCTGTATCTATAACTTACTGCAGTCACTAG
 TCCTGCTGTAATAACGAAGCTGCTGGGACACTGGTGACACTGTCAAGTCTCCAAGTCAATAAAGGCT
 GCTGCTCAGTGTACATTGATTTAATTATAAGGAAAGTGATAACAATGTAAGCTCATTGCTCCTGGACC
 GATTGGTAGAACTAAAAGAGCATCTGCTCACGAGCGAGTCTCCAAGATCTGGTCATGGACATCCTACG
 AGTACTGAGTACACCAGACCTAGAAGTGCAGAAACGCTGCAGTTAGCACTGGATCTTGTCTCATCT
 AGGAATGTTGAAGAGTTGGTTATTGTCTGAAGAAGGAAGTAATTAACAATAAACGTGTCTGAGCATG
 AAGCACTGACAAATACCGACAGCTTCTCGTGCAGAACACTGCATTCCTGCTCTGTCCGATTTCCAGAT
 GGCTGCAAAATGTTATTCCTGTGCTAATGGAATTTCTCAGTGACAGTAATGAAGCAGCAGCTGCTGATGTC
 TTGGAGTTTGTGCGTGAAGCCATTCAGCGCTTTGACAACCTGAGAATGCTGATTGTTGAGAAGATGCTGG
 AAGTCTTCCATGCTATTAAGTCTGTCAAGATTTATCGAGGAGCACTGTGGATCCTGGGCGAGTACTGCAG
 TACTAAGGAAGACATTCAGAGTGTGATGACTGAAGTCCGAGGTCCCTTGGGGAGATCCCAATCGTAGAA
 TCAGAAATAAAGAAAGAAGCTGGCGAGTTAAAACCAGAAGAAGAAATAACTGTTGGGCCCGTTCAGAAAT
 TGGTTACAGAGATGGGCACCTATGCTACTCAGAGTGCCTCAGCAGCTCTAGACCTACCAAGAAAGAAGA
 GGACAGACCACCCTTGAGAGGATTCCTCCTGGATGGAGATTTCTTTGTTGCTGCCTCCCTTGCCACAAC
 CTGACCAAGATTGCATTACGCTATGTAGCATTGGTTTCCAGGAGAAGAAAAAGCAAACTCTTTTGTGCTG
 AGGCTATGTTGCTTATGGCAACCATCCTTCATTTGGGAAAATCCTCTCTCCTAAGAAGCCAATCACTGA
 TGATGATGTAGACCGAATTTCCCTGTGCCTCAAGGTCTTATCTGAATGCTCACCTTTAATGAATGACATT
 TTTAATAAGGAGTGCAGACAGTCTTTTCCAAATGTTGTCTGCCAACTCGAAGAAGAGAACTATCCC
 AAAAGAAAGAACTGAAAAGAGGAATGTAAACAGTACAGCTGTGACCCATTTCTTTCATGCAACTAAC
 TGCTAAGAATGAGATGAACTGCAAGGAGGATCAGTTCCAGCTGAGTTTGTGGCAGCGATGGGTAACACT
 CAGAGGAAAGAGGCAGCAGACCCCTGGCGTCCAACTCAACAAGGTCACTCAGTTGACAGGTTTCTCTG
 ATCCAGTGTATGCAGAAGCTTATGTTTATGTCAATCAGTATGATATTGCTCCTGGATGTTCTTGTGTA
 CCAAAACAGTGATACTTTGCAGAACTGCACATTAGAGTTAGCTACTCTAGGGGATCTGAAACTCGTGGAA
 AAACCATCTCCTTTGACTCTTGCTCCTCATGACTTTGCGAATATTAAGCCAATGTCAAAGTAGCATCAA
 CAGAAAATGGAATAATTTTCGGCAATATAGTTTATGATGTCTCTGGAGCAGCAAGTGACAGAAAAGTGTG
 GGTCTCAGTGACATCCACATTGACATCATGGACTATATCCAGCCTGCAACTTGCAGTGTGCTGAGTTT
 CGTCAGATGTGGGCCGAATTTGAATGGGAAAATAAAGTGACAGTTAACACCAACGTGACTGACCTGAATG
 ATTATTTACAGCACATCCTCAAGTCCACCAACATGAAGTGCCTGACTCCAGAGAAGGCCCTTTCTGGCTA
 CTGTGGCTTCATGGCAGCAACCTATATGCTCGCTCTATTTGGAGAGGATGCAGTTGCAAAATGTCAGC
 ATTGAGAAGCCAGTTCACCAGGGACCAGATGCTGCTGTTACTGGCCATATAAGAATTCGTGCAAAAAGTC
 AGGGAATGGCCTTGAGCCTTGAGATAAAATCAACCTGTCTCAAAGAAGACTAGTCTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:	NM_080781
Insert Size:	2862 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_080781.2 , NP_542959.1
RefSeq Size:	3348 bp
RefSeq ORF:	2862 bp
Locus ID:	114023
UniProt ID:	P23514
Cytogenetics:	1q34
Gene Summary:	transmembrane protein associated with the Golgi; may be a component of non-clathrin coated vesicles and cisternae of the Golgi complex [RGD, Feb 2006]